

## ABSTRACT OF THE DISCLOSURE

The invention discloses polynucleotides and polypeptides of arrestin and odorant receptors. Also disclosed are methods for producing such polypeptides and  
5 methods of making antibodies. This invention also discloses a method of identifying compounds that bind to arrestins or odorant receptors. A method of identifying compounds that inhibit the binding of mosquito arrestin to a mosquito odorant receptor is also disclosed.

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